

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
GETR:031/SER

Serial No.
09/139,386

Applicants

Joseph Albert Monforte, Christopher Hank Becker,
Thomas Andrew Shaler and Daniel Joseph Pollart

Filing Date:
August 25, 1998

Group:
7634 453

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
J. Z	A1	4,775,619	10/04/88	Urdea	435	6	10/16/84
"	A2	4,818,681	04/04/89	Dattagupta	DEC 4 7 1998		2/22/85
	A3	5,106,585	04/21/92	Minami et al.			
✓	A4	5,118,605	06/02/92	Urdea	435	6	9/29/88
"	A5	5,288,644	02/22/94	Beavis et al.	436	94	11/13/92
"	A6	5,405,746	04/11/95	Uhlen	435	6	9/22/93
"	A7	5,430,136	07/04/95	Urdea et al.	536	243	7/27/90
"	A8	5,547,835	08/20/96	Koster	435	6	1/6/94
"	A9	5,459,039	10/17/95	Modrich	435	6	3/18/94
J. Z	A10	5,700,642	12/23/97	Monforte et al.	435	6	4/26/96
"	A11	5,830,655	11/03/98	Monforte et al.	"	"	5/2/95

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
J. Z	B1	EP 0227772	06/17/86	Europe	C12A	1/68	yes.
"	B2	WO 90/04649	10/24/89	PCT	"	9	yes
"	B3	WO 91/11533	01/10/91	PCT	"	1	y
J. Z	B4	WO 93/13220	12/23/93	PCT	C12A	1/68	yes
"	B5	WO 94/16101	01/06/94	PCT	"	0	a
J. Z	B6	EP 0360676	09/18/89	Europe	C12A	1/68	No.
J. Z	B7	WO 89/12694	12/28/89	PCT	C12A	1/68	yes.
"	B8	WO 92/05287	04/02/92	PCT	"	"	yes.

Examiner: *J. Z*

Date Considered: 2/4/2000.

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
J. T.	C1	Bahr <i>et al.</i> , "Analysis of biopolymers by matrix-assisted laser desorption/ionization (MALDI) mass spectrometry," <i>Fresenius J. Anal. Chem.</i> , 348:783-791, 1994.
	C2	Barinaga, "Protein chemists gain a new analytical tool," <i>Science</i> , 246:32-33, 1989.
	C3	Brummel <i>et al.</i> , "A mass spectrometric solution to the address problem of combinatorial libraries," <i>Science</i> , 264:399, 1994.
	C4	Fitzgerald <i>et al.</i> , "The analysis of mock DNA sequencing reactions using matrix-assisted laser desorption/ionization mass spectrometry," <i>Rapid Comm. in Mass Spectrom.</i> , 7:895-897, 1993.
" "	C5	Goldkorn and Procktop, "A simple and efficient enzymatic method for covalent attachment of DNA to cellulose: Application for hybridization-restriction analysis and for <i>in vivo</i> synthesis of DNA probes," <i>Nuc. Acids. Res.</i> , 14:9171, 1986.
" "	C6	Hettich and Buchanan, "Determination of oligonucleotide sequences and modifications by laser desorption fourier transform mass spectrometry," <i>Abst. Pap. Am. Chem. Soc.</i> , 200:1-2, Abstract # 105, 1990.
" "	C7	Hillenkamp and Karas, "Matrix assisted UV-laser desorption/ionization: a new approach to mass spectrometry of large biomolecules" In: <i>Biological Mass Spectrometry</i> , Burlingame and McCloskey (eds.), Elsevier Science Publishers B.V. Amsterdam, Holland, 1988.
" "	C8	Hillenkamp and Karas, "Laser desorption ionization of proteins with molecular masses exceeding 10,000 daltons," <i>Anal. Chem.</i> , 60:2299-2301, 1988.
" "	C9	Hillenkamp and Karas, "Matrix laser desorption of very large organic molecules," In: <i>Mass Spectrometry of Large Non-Volatile Molecules for Marine Organic Chemistry</i> , Hilf and Tuszyński (Eds.), World Scientific Publishers, Singapore, 1990.
" "	C10	Lay, Jr. <i>et al.</i> , "Detection and characterization of DNA adducts at the femtomole level by desorption ionization mass spectrometry," <i>Environ. Health Perspect.</i> , 99:191-193, 1993.
" "	C11	Mag <i>et al.</i> , "Synthesis and selective cleavage of an oligodeoxynucleotide containing a bridged internucleotide 5'-phosphorothioate linkage," <i>Nuc. Acids Res.</i> , 19(7):1437-1441, 1991.
" "	C12	Maskos and Southern, "Oligonucleotide hybridisations on glass supports: A novel linker for oligonucleotide synthesis and hybridisation properties of oligonucleotides synthesis <i>in situ</i> ," <i>Nc. Acids Res.</i> , 20(7):1679-1684, 1992.

Examiner:

John E

Date Considered:

2/6/2000

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Exam. Init.	Ref. Des.	Citation
	C13	Nadji <i>et al.</i> , "Photochemically and photoenzymatically cleavable DNA," <i>J. Am. Chem.</i> , 114:9266-9269, 1992.
	C14	Nordhoff <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of nucleic acids with weavelengths in the ultraviolet and infrared," <i>Rapid Comm. in Mass Spectrom.</i> , 6:771-776, 1992.
	C15	Parr <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of synthetic ologideoxyribonucleotides," <i>Rapid Comm. in Mass Spectrom.</i> , 6:369-372, 1992.
	C16	Podhajska and Szybalski, "Conversion of the <i>FokI</i> endonuclease to a universal restriction enzyme: cleavage of phage M13mp7 DNA at predetermined sites," <i>Gene</i> , 40:175-182, 1985.
JL	C17	Silveira and Orgel, "PCR with detachable primers," <i>Nuc. Acids Res.</i> , 23(6):1083-1084, 1995.
" "	C18	Stemmler <i>et al.</i> , "Matrix-assisted laser desorption/ionization fourier-transform mass spectrometry of oligodeoxyribonucleotides," <i>Rapid Comm. in Mass Spectrom.</i> , 7:828-836, 1993.
3-4	C19	Szybalski, "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter oligodeoxynucleotide and enzyme moieties," <i>Gene</i> , 40:169-173, 1985.
" "	C20	Tang <i>et al.</i> , "Mass spectrometry of laser-desorbed oligonucleotides," <i>Rapid Comm. in Mass Spectrom.</i> , 6:365-368, 1992.
" "	C21	Tang <i>et al.</i> , "Laser mass spectrometry of oligonucleotides with isomer matrices," <i>Rapid Comm. in Mass Spectrom.</i> , 7:435-439, 1993.
	C22	Tong and Smith, "Solid phase purification in automated DNA sequencing," <i>J. DNA Seq. and Mapping</i>, 4:151-162, 1993.
JL	C23	Wu <i>et al.</i> , "Matrix-assisted laser desorption time-of-flight mass spectrometry of oligonucleotides using 3-hydroxypicolinic acid as an ultraviolet-sensitive matrix," <i>Rapid Comm. in Mass Spectrom.</i> , 7:142-146, 1993.
" "	C24	Wu <i>et al.</i> , "Time-of-flight mass spectrometry of underivatized single-stranded DNA oligomers by matrix-assisted laser desorption," <i>Anal. Chem.</i> , 66:1637-1645, 1994.
" "	C25	Youngquist <i>et al.</i> , "Matrix-assisted laser desorption ionization for rapid determination of the sequences of biologically active peptides isolated from support-bound combinatorial peptide libraries," <i>Rapid Comm. in Mass Spectrom.</i> , 8:77-81, 1994.

Examiner:

JL

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2/4/2000

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See Page 2**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
J. Fry	C26	Frohman, "Cloning PCR products," Chapter 2 in <i>The Polymerase Chain Reaction</i> (Mullis <i>et al.</i> , (ed), Birkhauser, Boston, pgs. 14-37, 1994.
" "	C27	Wu <i>et al.</i> , "The ligation amplification reaction (LAR)--amplification of specific DNA sequences using sequential rounds of template-dependent ligation," <i>Genomics</i> , 4(4):560-569, 1989.
J. Fry	C28	Nakamaye <i>et al.</i> , "Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside a-thiothiophosphates," <i>Nuc. Acids Res.</i> , 16(21):9947-9959, 1988.

Examiner:

S. Fry

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2/7/2000

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GETR:031/STASerial No.
09/139,386List of Patents and Publications for Applicant's
**SUPPLEMENTAL INFORMATION DISCLOSURE
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U.S. Patent Documents

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IZ	A12	5,888,819	03/30/99	Goelet et al.	435	5	03/05/91
" "	A13	5,885,775	03/23/99	Haff et al.	435	6	10/04/96
" "	A14	5,762,876	06/09/98	Lincoln et al.	422	67	12/22/94

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